

DP-301284

## STRONGER CATALYST USING SELECTIVE WASHCOAT LOCATION

## ABSTRACT OF THE DISCLOSURE

A strengthened thin-walled catalytic converter substrate includes thin perimeter walls and thin interior walls defining cells and a catalyst washcoat selectively disposed on the substrate. Washcoat thickness is increased in those cells having the most impact on final catalyst strength, typically the outer cells defined by the perimeter walls. A method for maximizing overall catalyst strength with minimal substrate thermal mass includes selectively applying washcoat based on desired substrate strength and converter assembly method.

10

00660715 091300